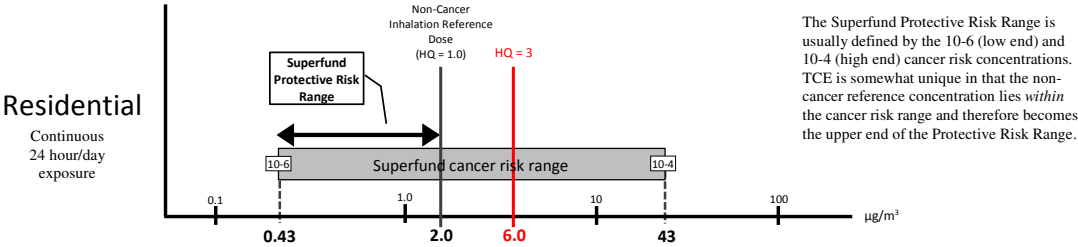
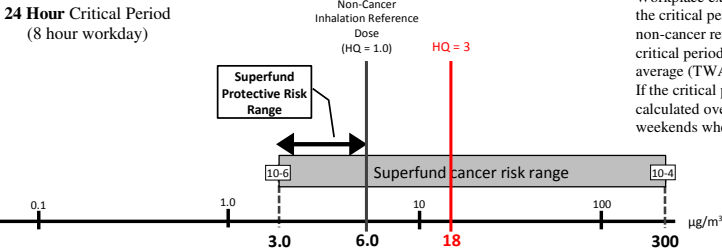


U.S. EPA Risk Ranges and Action Levels – TCE Inhalation



The Superfund Protective Risk Range is usually defined by the  $10^{-6}$  (low end) and  $10^{-4}$  (high end) cancer risk concentrations. TCE is somewhat unique in that the non-cancer reference concentration lies *within* the cancer risk range and therefore becomes the upper end of the Protective Risk Range.

**Commercial / Industrial**



Workplace exposure is not continuous, so the critical period affects calculation of the non-cancer reference concentration. If the critical period is 24 hours a time-weighted average (TWA) is calculated over 24 hours. If the critical period is 21 days, the TWA is calculated over 21 days, which includes weekends when no exposure occurs.

